

**AMENDMENTS TO THE DRAWINGS:**

The reference numerals identifying the integrate and dump filters in Figure 3(b) have been changed to “398” and “399” to avoid duplicate use of the reference numerals 332 and 333. No new matter is added by these changes.

Appendix:    Replacement sheet  
                 Annotated sheet showing changes

**REMARKS**

Reconsideration and allowance of the subject patent application are respectfully requested.

Applicant notes that the PTO-1449 forms returned with the office action are not initialed to evidence consideration of all of the documents submitted with the Information Disclosure Statements of June 30, 2004 and May 6, 2002. Copy of these forms are enclosed herewith and Applicant respectfully requests that they be initialed to evidence consideration of all listed documents.

To correct multiple use of the reference numerals 332 and 333 in Figure 3(b), the reference numerals for the integrate and dump filters have been changed to 398 and 399. Corresponding changes have been made to the specification. A replacement drawing sheet and an annotated drawing sheet showing changes are included in the Appendix to this Amendment.

Applicants note the specification guidelines provided on pages 2-3 of the office action and have made amendments to the specification and abstract to place them in a more traditional U.S. format. Entry of these amendments to the specification and abstract is respectfully requested.

The specification was objected to as allegedly failing to provide proper antecedent basis for certain subject matter in claims 4, 6 and 7. To expedite prosecution, these claims have been amended to delete references to "the multiplexed transmission", "the permuting inverse processor" and "the multiplexed transmission signal." As such, withdrawal of the objection to the specification is respectfully requested.

Claims 4-7 were rejected under 35 U.S.C. Section 112, second paragraph, as allegedly being indefinite. Claims 4-7 have been amended to address the issues identified on pages 3-4 of the office action. As such, withdrawal of the Section 112, second paragraph, rejection of claims 4-7 is respectfully requested. These amendments are also believed to address any indefiniteness inherited by claims 8 and 9.

Amendments of a formal nature have been made to improve the form of claims 1, 2 and 4-8.

Applicants acknowledge with appreciation the indication that claims 2 and 3 contain allowable subject matter and that claims 5-9 would be allowable if the Section 112, second paragraph, rejections were overcome.

Because the Section 112, second paragraph, rejections are believed to be overcome as noted above, claims 5-9 are believed to be allowable.

Claim 1 has been amended to incorporate the subject matter of now-canceled claim 3 and is now believed to be allowable. Claims 2 and 4 depend from claim 1 and are likewise believed to be allowable.


While not acquiescing in the rejection of claims 1 and 4 based on the proposed combination of Popovic' (U.S. Patent No. 6,393,047), Kang *et al.* (U.S. Patent No. 6,377,539), Sugiyama *et al.* (U.S. Patent No. 5,280,537) and Hamada *et al.* (U.S. Patent No. 6,359,875), this rejection is moot in view of the above amendments.

New claims 10-24 have been added. The subject matter of these new claims is fully supported by the illustrative example embodiments of the subject patent application and no new matter is added. Claim 10 depends from claim 1 and is believed to be allowable. Claims 11-24 are believed to incorporate subject matter that has been identified as allowable.

The pending claims are believed to be allowable and favorable office action is respectfully requested.

Respectfully submitted,

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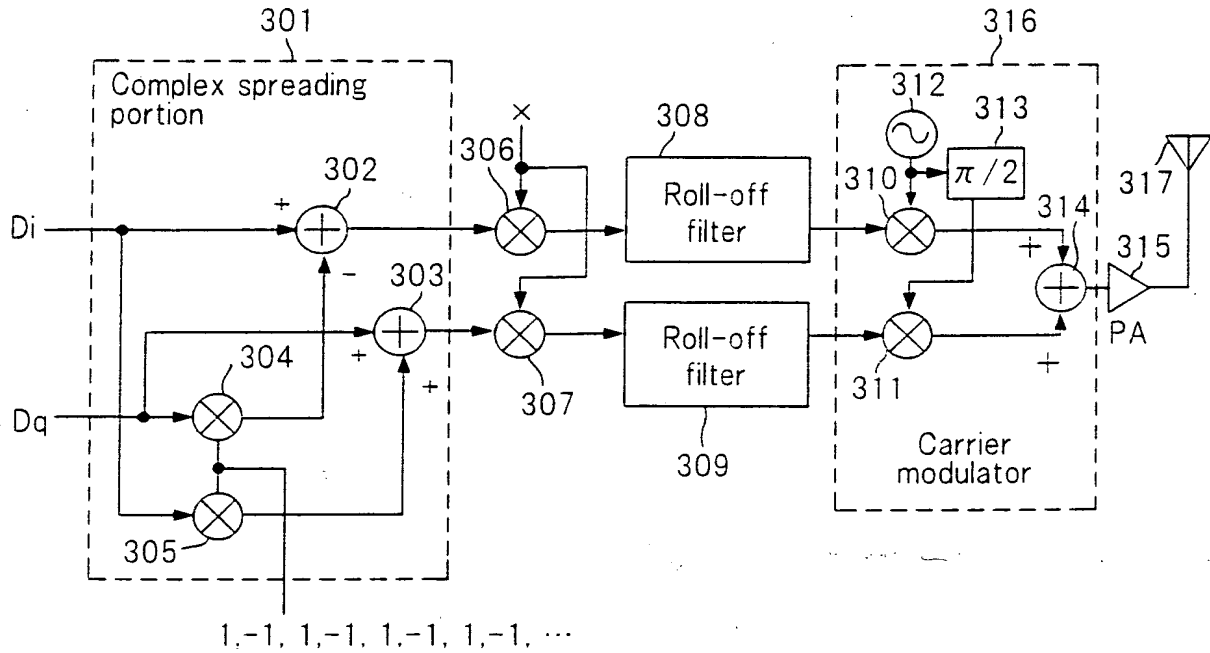
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FIG. 3

(a)



(b)

